GOVERNMENT OF INDIA
SPACE
LOK SABHA

UNSTARRED QUESTION NO:1801
ANSWERED ON:26.07.2017
Alert System at Unmanned Level Crossings
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Will the Minister of SPACE be pleased to state:

(a) whether ISRO has made a system to alert users at unmanned level crossings;
(b) if so, the details thereof including the manner in which it works; and
(c) the number of States which have already implemented this system?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PG & PENSIONS AND IN THE PRIME MINISTER'S OFFICE (DR. JITENDRA SINGH):

(a) & (b)
ISRO has demonstrated a satellite based solution for unmanned level crossings (UMLCs) using navigation and communication technologies to avoid accidents. By automatic triggering, the system provides alerts by blowing hooter in the locomotive as well as audio-visual warning at the level crossing about the approaching train. The concept has been successfully demonstrated and the field trials with railways are in progress.

(c) Indian Railways is expected to implement operational system after the completion of field trials.

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